

### Plan of the Master's study programme "Geology" (full time)

Course title	Name and surname of teaching staff	KP	Type of examination	Plan			
				1 <sup>st</sup> year		2 <sup>nd</sup> year	
				1 <sup>st</sup> sem.	2 <sup>nd</sup> sem.	3 <sup>rd</sup> sem.	4 <sup>th</sup> sem.
<b>Compulsory part (Part A)</b>		<b>52</b>		12	12	8	20
Ģeol5016 Dynamic Systems of Earth	prof. Ervīns Lukševičs, prof. Valdis Segliņš, assoc. prof. Ģirts Stinkulis	5	Exam	5			
Ģeol5119 Tectonics	assist. prof. Jānis Karušs	3	Exam	3			
Ģeol5021 Contemporary Geological Processes	assoc. prof. Māris Krievāns	4	Exam	4			
Ģeol5011 Regional Geology and Geomorphology of Latvia	prof. Ervīns Lukševičs, assoc. prof. Ģirts Stinkulis, assoc. prof. Kristaps Lamsters	5	Exam		5		
VidZ6108 Principles of Work out a Scientific Work	prof. Māris Kļaviņš	3	Exam		3		
Ģeol5047 Data Bases and Geological Modelling	assist. prof. Aija Dēliņa, assist. prof. Jānis Karušs	4	Exam		4		
Ģeol6012 Geology of Mineral Deposits	assoc. prof. Ģirts Stinkulis, teacher Viesturs Zandersons, prof. Valdis Segliņš	5	Exam			5	
Ģeol5014 Project of Master Thesis	assoc. prof. Ģirts Stinkulis, supervisors of Master's theses	3	Defense			3	
Ģeol6005 Master's Thesis	supervisors of Master's theses	20	Defense				20
Valo5315 Basic Latvian *	assist. prof. Inta Līsmāne	2	Exam	2*			
<b>Restricted elective part (part B)</b>		<b>24</b>		<b>8</b>	<b>8</b>	<b>8</b>	<b>0</b>
Ģeol5045 Mathematics in Geosciences	assoc. prof. Ingrīda Uljane	4	Exam	4			
Ģeol5039 Glacial Geology	assoc. prof. Kristaps Lamsters	4	Exam	4			

Ģeol5025 Testing and Investigation Methods in Engineering Geology and their Methodology	assoc. prof. Māris Krievāns	4	Exam	4			
Ģeol5024 Mineralogy	assoc. prof. Ģirts Stinkulis	4	Exam	4			
Ģeol5031 Event and Sequence Stratigraphy	prof. Ervīns Lukševičs, assoc. prof. Ģirts Stinkulis	4	Exam	4			
Ģeol5012 Sedimentary Environment and Processes	assoc. prof. Ģirts Stinkulis, prof. Normunds Stivriņš	4	Exam	4			
Ģeol5046 Applied Studies in Geology **	assoc. prof. Ģirts Stinkulis	4	Defense	4**	4**	4**	
Ģeol6009 Soil Mechanics	assoc. prof. Māris Krievāns	4	Exam		4		
Ģeol5037 Micropalaeontology	prof. Ervīns Lukševičs, prof. Normunds Stivriņš, researcher Jurijs Ješkis	4	Exam		4		
Ģeol5018 Groundwater Resources, Dynamics and Monitoring	assist. prof. Aija Dēliņa	4	Exam		4		
Ģeol5032 Georadar Survey in Geological Studies	assist. prof. Jānis Karušs	4	Exam		4		
Ģeog5007 Remotely-Sensed Image Interpretation	assist. prof. Aivars Markots	4	Exam		4		
Ģeol5030 Phylogeny of Life	prof. Ervīns Lukševičs	4	Exam			4	
Ģeol6001 Hydrogeological Modelling	assist. prof. Aija Dēliņa	4	Exam			4	
Ģeol5033 Ģeoarcheology	teacher Agnese Kukela, prof. Valdis Segliņš	4	Exam			4	
Ģeol6010 Quaternary Environment and Stratigraphy	teacher Laimdota Kalniņa, assoc. prof. Ivars Strautnieks	4	Exam			4	
Ģeol5001 Palaeogeographical Reconstructions	assoc. prof. Ģirts Stinkulis, prof. Ervīns Lukševičs, prof. Normunds Stivriņš	4	Exam			4	
Ģeol5079 Exploration Methods of Quaternary Mineral Deposits	assist. prof. Jānis Karušs, assoc. prof. Māris Krievāns, prof. Normunds Stivriņš	4	Exam			4	
<b>Elective part (part C)</b>		4		0	0	4	0
Total credit points		80		20	20	20	20

<b>Additional courses (part A)</b>		2		0	0	2	0
Ķīmi1059 Civil Protection	lecturer Kristīne Parasiga-Parasiņa	1	Test			1	
VidZ1032 Environment protection	assist. prof. Imants Kukuļs	1	Exam			1	
<b>Additional courses (part C)</b>		2		0	0	2	0
Valo5315 Basic Latvian	Assist.prof. Inta Līsmāne	2	Exam			2	

\* - International students, who permanently study in the programme and do not have a proof of proficiency in the official language at the A1 level specified by the State Centre for Education of the Ministry of Education must complete the course "Basic Latvian Language Course" in accordance with the requirements of Section 56 of the Law on Higher Education Institutions.

\*\* - The course "Applied Studies in Geology" can be chosen in any semester, once per study time.